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SKILLS

HTML, CSS, JavaScript, React, Redux, Ruby, Ruby on Rails, Node.js, Express.js, SQL, PostgreSQL, MongoDB, AJAX, Axios, Webpack, Nodemon, Socket.io, Mongoose, ChartJS, AWS S3, Git, Heroku

PROJECTS

[MyTrails](#) | (React / Redux, Ruby on Rails, AWS S3, GoogleAPI, OpenWeatherMapAPI, PostgreSQL, AJAX, JBuilder)
A single-page AllTrails clone where users can search for hiking trails, create trail lists, and write reviews.

- Created higher order functions with thunk action creators that send requests to the server and upon successful response also dispatch actions to the frontend reducer in the Redux pattern for frontend state management.
- Reduced server load by avoiding N + 1 queries using eager loading of Active Record associations in order to extract data from several tables in one query thus decreasing load time of data to the frontend.
- Implemented search filter options that dynamically update search results by combining React hooks with shallow prop threading to each filter component resulting in highly readable and modular React functional components.
- Preformatted data from server response bodies using JBuilder in the Rails views to send JSON objects that are easy for developers to work with on the frontend without additional processing.

[PokeViser](#) | (HTML, CSS, JavaScript, ChartJS, PokeAPI, Webpack)

A data visualization project where users can search for Pokemon and view data on six Pokemon at a time.

- Simulated multiple pages using DOM manipulation and organized complex code into component-like functions adhering to separation of concerns and modular programming.
- Built single responsibility functions with documentation to create a readable and easy-to-maintain code base with the ability to easily add and extend functionality.
- Converted fetched data from PokeAPI to separate project files from which the app reads data and saves in a frontend storage POJO reducing load time by a factor of 10-20.

[Account-A-Buddy](#) | (React / Redux, Node Express.js, MongoDB, Mongoose, Socket.io, Axios)

An original web app where users create goals and match with other users to keep each other accountable.

- Created live chat functionality by listening for socket emissions in the server from frontend components and re-emitting the message to only the specified open chat room while saving the message to the database.
- Ensured user privacy through frontend and backend authentication and engineering higher order components with React Router to create protected routes allowing users to only access and change their own resources.
- Oversaw project development as the team lead, ensuring adherence to the project timeline, advising teammates on strategies and bugs for their assigned tasks, and reviewing the resulting code offering feedback.

EXPERIENCE

Junior Instructional Assistant

App Academy

Aug 2021 - Present

- Deliver lectures on fullstack development and help students through daily coding projects and debugging tools.
- Advise groups of students for their VanillaJS project, Full Stack project, and MERN Stack project.

Mental Health Technician

Seattle Children's Hospital

June 2020 - Mar 2021

- Carried out individualized patient treatment plans and led daily group activities and programming.
- Trained in de-escalation and cross communicated with floor staff to maintain safety in the hospital.

Peace Corps Volunteer - Youth, Family, and Community Development Program

US Peace Corps

Aug 2018 - May 2020

- Collaborated with public institutions to provide classes serving approximately 350 youth participants.
- Initiated plans with the local government to build an outdoor gym facility and secure funding.

Lead Mental Health Technician

Fairfax Behavioral Health

Dec 2015 - Jun 2018

- Redesigned the patient belongings inventory process and oversaw its rollout on seven hospital units.
- Led daily programs, supervised, and wrote detailed progress notes on 30 patients and trained new employees.

EDUCATION

University of Michigan - BS Psychology | Applied Statistics 2015

App Academy – Highly selective web development program with a 3% acceptance rate. 2021